

WHAT IS CLAIMED IS:

1. A printhead assembly for an inkjet printing apparatus, comprising:  
a process color printhead for printing at least one process color,  
5 the process color printhead having, for each process color, a first  
plurality of inkjet nozzles;  
a spot color printhead for printing at least one spot color, the spot  
color printhead having, for each spot color, a second plurality of nozzles,  
the second plurality having fewer nozzles than the first plurality.  
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2. A printhead assembly according to claim 1, wherein the process  
color printhead is adapted to print black and at least one other process  
color and the printhead comprises an additional plurality of black inkjet  
nozzles.  
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3. A printhead assembly according claim 1, wherein the second  
plurality has at least one third fewer nozzles than the first plurality.
4. A printhead assembly according to claim 3, wherein the first  
20 plurality has twice as many nozzles as the second plurality.
5. A printhead assembly according to claim 1, wherein the first and  
second pluralities each comprise nozzles located on a plurality of  
individual printheads.  
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6. A printhead assembly according to claim 1, wherein the first  
plurality of nozzles are arranged in the form of a pagewidth printhead.
7. A printhead assembly according to claim 6, wherein the first  
30 plurality of nozzles are further arranged to print the process color on a  
receiver medium in a single pass over the receiver medium.

8. A printhead assembly according to claim 6, wherein the second plurality of nozzles are arranged in the form of a pagewidth printhead.
9. A printhead assembly according to claim 8, wherein the second plurality of nozzles are further arranged to print the spot color on a receiver medium in a single pass over the receiver medium.
10. A printhead assembly according to claim 1, wherein the second plurality of nozzles have a larger nozzle-to-nozzle spacing than the first plurality of nozzles.
11. A printhead assembly according to claims 1 or 10, wherein the second plurality of nozzles is adapted to form dots on the receiver medium larger than dots formed by the first plurality of nozzles.
12. A printhead assembly according to claim 6, wherein the second plurality of nozzles are arranged in the form of a partial pagewidth printhead.
13. A method of inkjet printing on a receiver medium using process color and at least one spot color, the method comprising :  
printing each of at least one process colors using a corresponding first plurality of inkjet nozzles;  
printing each of at least one spot colors using a corresponding second plurality of inkjet nozzles, the second plurality having fewer nozzles than the first plurality.
14. A method according to claim 13, wherein each process color and each spot color is printed in a series of dot tracks and a dot-to-dot spacing for portions printed using the first plurality of nozzles is the

same as a dot-to-dot spacing for portions printed using the second plurality of nozzles.

15. A method according to claim 13, further comprising establishing  
5 portions of the receiver medium which require printing of spot color and then printing spot color only in the established portions of the receiver medium.

16. A method according to claim 15, wherein the process color  
10 printing is faster than the spot color printing and the method comprises slowing the process color printing in the established portions to permit spot color printing to complete.

17. A method according to claim 13, wherein the process color  
15 printing is faster than the spot color printing and the method comprises slowing the process color printing in the established portions to permit spot color printing to complete.

18. A method according to claim 13 wherein the process color printing  
20 is performed at a first resolution and the spot color printing is performed at a second resolution lower than the first resolution.

19. A method according to claim 18 wherein printing the process  
25 colors comprises directing droplets smaller than a first size toward the receiver medium from the first plurality inkjet nozzles and printing the spot colors comprises directing droplets larger than the first size toward the receiver medium from the second plurality of inkjet nozzles.